

IN THE SPECIFICATION

6-13-03

Please replace the paragraph beginning on page 1, line 7 with the following replacement paragraph:

B1

The present Application is related to the following U.S. patent applications:  
Application No. 09/583,448 [~~Attorney Docket No. 8378-US~~], filed ~~on the same day as the present application~~ May 30, 2000, entitled "DISK FORMAT FOR A STORAGE DEVICE";  
Application No. 09/583,390 [~~Attorney Docket No. 8381-US~~], entitled "DEFECT MANAGEMENT SYSTEM FOR A STORAGE DEVICE", filed ~~on the same day as the present application~~ May 30, 2000, now abandoned, and Application No. 09/539,841, filed March 31, 2000, entitled "FILE SYSTEM MANAGEMENT EMBEDDED IN A STORAGE DEVICE"; each of which applications is assigned to the assignee of the present invention and each of which is hereby incorporated herein by reference in its entirety.

Please replace the paragraph beginning on page 2, line 10 with the following replacement paragraph:

B2

Write Once Read Many (WORM) storage media may be used to meet these requirements. One example of WORM storage medium is disclosed in U.S. Patent Application Serial No. 09/560,781 [~~Attorney Docket No. M-8778-US~~], entitled, "WRITEABLE MEDIUM ACCESS CONTROL USING A MEDIUM WRITEABLE AREA", filed on April 28, 2000, assigned to the common assignee and is incorporated in its entirety herein by reference.

LAW OFFICES OF  
MACPHERSON, KWOK CHEN  
& REED LLP

3402 MICHELSON DRIVE  
SUITE 210  
DRYDEN, CA 92612  
(949) 752-7040  
FAX (949) 752-7049

Please replace the paragraph beginning on page 9, line 2 with the following replacement paragraph:

B3

Fig. 3 shows one embodiment of a data storage disk 130 in accordance with this invention. In this embodiment, data storage disk 130 is an optical disk having at least one active layer composed of a phase-change optical material described in U.S. Patent No. 4,960,680, which is incorporated herein by reference. Writing is performed on this material essentially by heating it with a laser beam, which causes it to change from an amorphous to a crystalline phase. The reflectivity of the amorphous and crystalline phases are different, allowing the changed areas to be read. Such disks are available from Kodak. This invention is not limited to disks in accordance with the above-referenced Kodak patent, however, and is applicable to a wide variety of data storage disks, including other types of optical disks, magneto-optic disk, magnetic disks, and solid state media such as FLASH memory. ~~One type of optical disk is described in the above-referenced U.S. Patent No. [Attorney Docket No. 4154-8].~~

Please replace the paragraph beginning on page 10, line 18 with the following replacement paragraph:

B4

In contrast to the mastered areas 304, 306, no data is written in writeable area 310 at the time the disk is manufactured. Instead, the spiral track takes the form of a groove or "land" (the area between grooves) which is used by a servo system to assure that the read/write head tracks properly as the data is being written. For example, in one embodiment the groove pitch is  $0.74 \mu\text{m} \pm 0.03 \mu\text{m}$ , the depth of the groove is  $80 \text{ nm} \pm 5 \text{ nm}$ , the width of the groove is  $440 \text{ nm} \pm 5 \text{ nm}$ , and the groove walls are angled between 35 and 45 degrees with respect to horizontal. The servo systems used to provide tracking are widely known in the field. The groove is typically formed in a wobble that generates a sinusoidal signal used to control the rotational speed of the disk and to generate a clock signal. (See, e.g., U.S. Patent Nos. 4,972,410 and 5,682,365 to Carasso et al.) Writeable area 310 has an inner

LAW OFFICES OF  
MACPHERSON, KWOK & CHEN  
& HEID LLP  
2402 MICHELSON DRIVE  
SUITE 210  
IRVINE, CA 92612  
(949) 752-7040  
FAX (949) 752-7049

34  
boundary 310A and an outer boundary 310B. The groove may also contain a high-frequency wobble marks as described in the above referenced Application No. ~~[Attorney Docket No. 8379-US]~~.

LAW OFFICES OF  
MACPHERSON, KWOK CHEN  
& HEID LLP

2402 MICHELSON DRIVE  
SUITE 210  
IRVINE, CA 92613  
(949) 752-7040  
FAX (949) 752-7049